## FIGURE 1

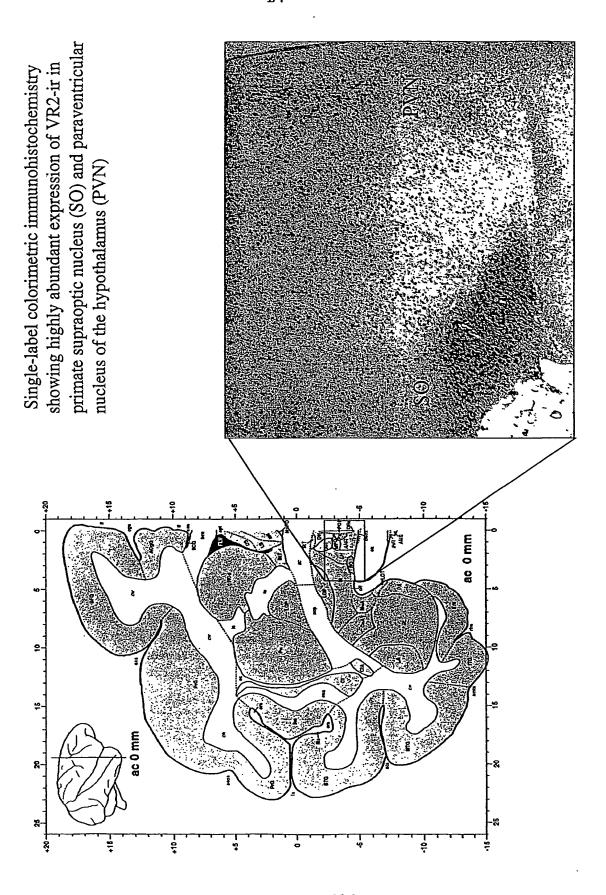
## Nucleotide and deduced amino acid sequence of human VR2

5	C	ACG.	AGG	CCG	ACG	CGC	AGC	TGG	GAG	GAA	GAC	AGG.	ACC	CTT	GAC	ATC	TCC	ATC:	rgcz	ACAGA
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15	K	L	D	F	G	S	G	$\mathbf{L}$	. <b>P</b>	P	M	E	S	Q	F,	Q	G	E	D	R
	A	TA	rcgo	ccc	CTC	AGA	raa(	GAG:	TCA	ACC'	rca?	ACT	ACC	SAAZ	4GG	GAA	CAGO	GTGC	CAG	TCAG
	K	F	A	P	Q	1	R	V	N	L	N	Y	R	K	G	T		A		Q
	CC	CGGI	ATCC	AA/	ACCO	SATI	rTG!	ACC	SAGI	ATC	GC1	CTI	rca <i>p</i>	TGO	CGG:	CTO	ccc	GGG	TGI	cccc
20	P	D	P	N									N							
	GA.	\GGP	ATCI	'GGC	TGO	SACI	TCC	CAG	AGT <i>I</i>	ACC	rgac	CA	4GAC	CAC	CA	AGTA	ACCI	CAC	CGA	CTCG
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25	G۵	ATA	CAC	AGA	\GG(	CTC	CAC	CAGO	STAF	AGAC	GTC	CC3	rgat	'GA <i>F</i>	AGGO	TGI	GCI	'GAA	CCT	TAAG
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35			I		K								L							
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50	M	Y											С							
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	GG	CCA	GCI	GT	GT <i>I</i>	ACTI	CTC	GCC	GCC	SCCZ	ACGI	rgti	CAI	'CTC	GAT	CTC	CGT:	rca:	'AGA	ACAGO
	G	Q	L	W	Y	F	W	R	R	Н	V	F	I	W	I	S	F	I	D	S
	TA	CTI	TGA	LAAI	rcci	CTI	'CC1	rgT1	rcc#	AGGC	CCI	GCI	CAC	AGI	'GGI	'GTC	CCC	AGGT	GCI	GTGT
25		F											T							
	тт	CCT	GGC	CAT	rcg#	GTG	GTA	ACCI	rgcc	CCI	GC1	TGT	GTC	TGC	GCI	'GG1	rgC1	'GGG	CTC	GCTG
	F	L	A	Ι	E	W	Y	L	P	L	L	V	S	A	L	V	L	G	W	L
30	AA	CCT	GCT	TTA	CTA	TAC	ACG	TGG	CTI	'CCA	GCA	CAC	AGG	CAT	CTA	CAG	TGI	'CAI	'GAT	CCAG
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	AA	GGT	CAT	CCI	'GCG	GGA	CCI	'GCI	'GCG	CTT	CCT	TCT	GAT	CTA	CTT	AGI	CTI	CCI	TTT	CGGC
35	K	V	I	L	R	D	L	L	R	F	L	L	I	Y	L	V	F	L	F	G
00	тт	ĊGC	TGT	AGC	CCT	'GGT	GAG	CCT	'GAG	CCA	GGA	.GGC	TTG	GCG	ccc	CGA	AGC	TCC	TAC	AGGC
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40	P	N	A	T	Ė	S	V	Q	P	M	E	G	Q	E	D	E	G	N	G	A
	CA	GTA	CAG	GGG	TAT	CCT	GGA	AGC	CTC	СТТ	GGA	GCT	CTT	CAA	ATT	CAC	CAT	CGG	CAT	GGGC
													F					G		G
<b>4</b> 5	GA	GCT	GGC	CTT	CCA	GGA	GCA	GCT	GCA	CTT	CCG	CGG	CAT	GGT	GCT	GCT	GCT	GCT	GCT	GGCC
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	TA	CGT	GCT	GCT	CAC	CTA	CAT	CCT	GCT	GCT	CAA	CAT	GCT	CAT	CGC	ССТ	CAT	GAG	CGA	GACC
50													L							
00	GT	CAA	CAG	TGT	CGC	CAC	TGA	CAG	CTG	GAG	САТ	CTG	GAA	зсто	GCA	GAA	AGC	САТ	CTC	TGTC
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	СТ	GGA	GAT	GGA	GAA	TGG	CTA	TTG	GTG	GTG	CAG	GAA	GAAG	GCAG	SCG	GGC	AGG	ፐርጥ	GAT	GCTG
<b>55</b>													K							
	AC	CGT	rgge	CAC	TAA	GCC	AGA	TGG	CAG	CCC	GGA'	TGA	GCGG	CTG	STG	CTT	CAG	GGT	GGAG	GGAG
																				F

	GT	'GAA	CTG	GGC	TTC	CATE	GGA	<b>IGCA</b>	GAC	GCI	'GCC	TAC	CGCT	GTG	TGA	GGA	.CCC	GTC	AGG	GGC
	V	N	W	A	s	W	E	Q	T	L	P	T	L	С	E	D	P	s	G	A
	GG	TGT	CCC	TCG	AAC	TCI	'CGP	GAA	ccc	TGI	CCI	'GGC	TTC	ccc	TCC	CAA	.GGA	GGA	TGA	GGA:
5	G	V	P	R	T	L	E	N	P	V	L	A	S	P	P	K	E	D	E	D
	GG	TGC	CTC	TGA	GGA	AAA	CTA	TGT	GCC	CGI	'CCA	GCI	'CCT	CCA	GTC	CAA	CTG	ATG	GCC	CAG
	G	A	S	E	E	N	Y	V	P	V	Q	L	L	Q	S	N	*			
10	TG	CAG	CAG	GAG	GCC	AGA	GGA	CAG	AGC	AGA	GGA	TCT	TTC	CAA	CCA	CAT.	CTG	CTG	GCT	CTG
	GG	TCC	CAG	Т																

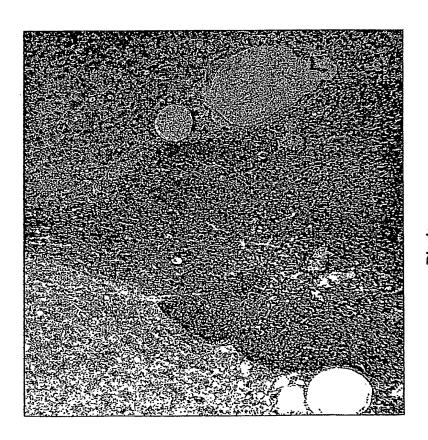
FIGURE 2



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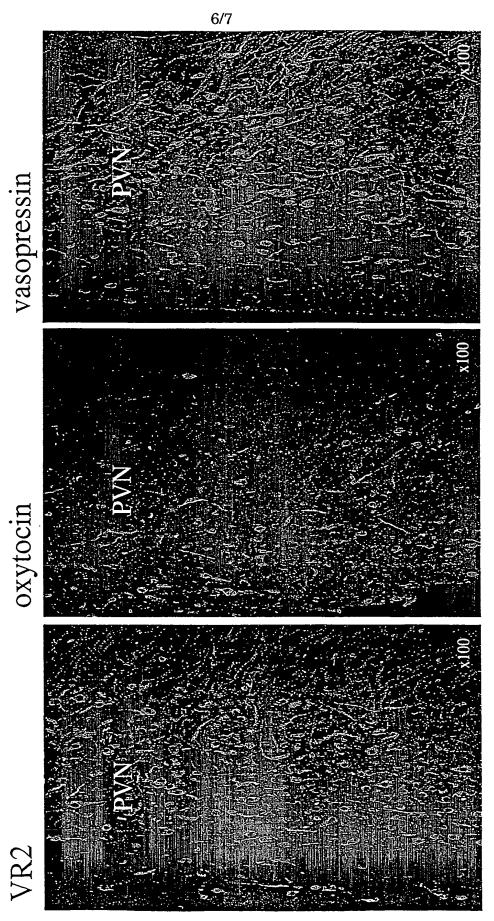
Localization of VR2-ir in primate pituitary and suprachiasmatic nucleus

Suprachiasmatic nucleus



Pituitary

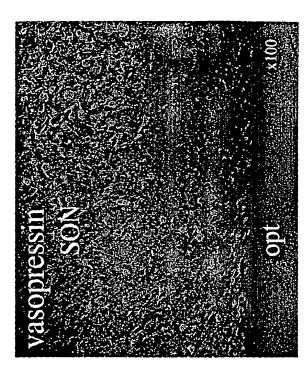
Regional co-expression of VR2-ir, oxytocin-ir and vasopressin-ir distribution in primate hypothalamic paraventricular nucleus FIGURE 4

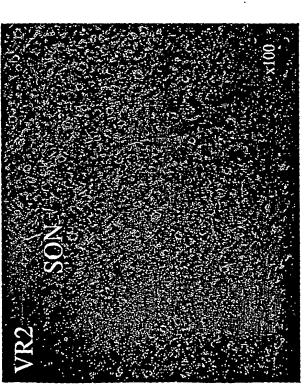


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Regional co-expression of VR2-ir, oxytocin-ir and vasopressin-ir distribution in primate supraoptic nucleus (SON)





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